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 TI Asbestos-free **calcium silicate** structural
 insulating elements
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 PA Czech.
 SO Czech., 4 pp.
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 DT Patent
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 CC 58-4 (Cement, Concrete, and Related Building Materials)
 FAN.CNT 1

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AB The elements, based on the thermal reaction of silicates and calcareous
 components and reinforced with dispersed fibers, comprise **lime**
 and/or hydrated **lime** 25-40, sand (sp. surface area .gtoreq.350
 m²/kg; .ltoreq.15% having diam. >0.065 mm) 20-40, expanded perlite (bulk
 d. .ltoreq.100 kg/m³; .gtoreq.50% having diam. .ltoreq.0.25 mm) 5-30,
 SiO₂ fume 2-10, and cellulose pulp 2-12 wt. parts. Optionally, the elements
 contain .ltoreq.8 wt. parts alkali-resistant inorg. fibers.
 ST **calcium silicate** building material; **lime**
 calcium hydroxide **calcium silicate**; sand
calcium silicate building material; expanded perlite
calcium silicate; vitreous **silica** fume
calcium silicate; cellulose pulp **calcium**